Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/04/2019 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124580	-1	2.20	124620	2.19
Blue	F	SSC	125000	123402	-2	1.57	124224	1.56
Blue	E	FITC	16433	16109	-2	2.85	352	19.64
Blue	D	PE	27595	26983	-3	2.05	586	14.45
Blue	B	PerCP-Cy5-5	43183	42584	-2	3.66	1146	20.23
Blue	A	PE-Cy7	31943	32368	1	6.02	620	39.94
Red	C	APC	42819	42165	-2	2.45	1495	12.04
Red	A	APC-Cy7	31261	30129	-4	2.36	799	11.82
Violet	B	V450	6527	6198	-6	4.66	346	13.40
Violet	A	V500	24533	23583	-4	4.37	549	10.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17872	11.90	612	12	N/A	N/A	Pass
Blue	F	SSC	56083	1.19	553	5	N/A	N/A	Pass
Blue	E	FITC	64	62.06	541	2	0.0208	113	Pass
Blue	D	PE	123	48.82	537	3	0.1738	279	Pass
Blue	B	PerCP-Cy5-5	210	48.71	649	7	0.0091	27	Pass
Blue	A	PE-Cy7	115	100.12	698	9	0.0115	21	Pass
Red	C	APC	353	26.22	582	-1	0.0256	265	Pass
Red	A	APC-Cy7	176	29.25	561	-2	0.0059	1377	Pass
Violet	B	V450	53	58.25	453	-2	0.0459	1637	Pass
Violet	A	V500	82	32.38	465	-2	0.0231	599	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.06	-31.64	0.95
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	15.38	13.60 - 20.40	N/A	N/A	29.48	29.75	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10052

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments